



Notice of Availability

Applicant Aid for Biotechnology Computer Readable Form (CRF) Sequence Listing Submissions

The Patent and Trademark Office (PTO) has developed a computer program, called Checker, that will aid applicants in identifying and correcting errors prior to making submissions for compliance with the Requirements for Patent Applications Containing Nucleotide Sequence and/or Amino Acid Sequence Disclosures (Sequence Rules: 37CFR 1.821 through 1.825).

Final rules were published in the *Federal Register* (55 FR18230) on May 1, 1990, and in the PTO *Official Gazette* (1114 Off.Gaz.PatOffice 29) on May 15, 1990.

Checker is a DOS-based software program that is intended to assist users in determining whether errors may be present in the sequence listings, and is not intended to guarantee that the submission is error-free.

The most current version of the software is available via computer downloading, details are below. Copies on diskette are also available. Updated software versions will not be automatically mailed out; any updates will be announced in the PTO *Official Gazette*.

The software can be accessed/requested in the following locations:

- 1) Dial-up access to the Patent and Trademark Office Bulletin Board System
Phone Number: 703-305-8950
Cost: Free-of-charge
- 2) Dial-up access through the Internet. FTP site: [ftp.uspto.gov](ftp://ftp.uspto.gov)
Login as "anonymous". The software is in the directory: /pub/checker
Cost: Free-of-charge
- 3) For diskette copies, telephone requests to 703-306-2600.
Cost: \$25.00

*For Further Information, Contact: **Arti Shah at 703-308-4212***

**NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES**

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821-1.825. Applicant's attention is directed to these regulations, published at 114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- ☐ 7. Other: _____

Applicant must provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123

For CRF submission help, call (703) 308-4212

For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/657,749ADATE: 05/16/97
TIME: 16:02:36

INPUT SET: S17725.raw

This Raw Listing contains the General
Information Section and those Sequences
containing ERRORS.

Does Not Comply
Corrected Diskette Needed

P.3

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANTS: Metz, James G.
6 Lardizabal, Kathryn D.
7 Lassner, Michael
8
9 (ii) TITLE OF INVENTION: Nucleic Acid Sequences Encoding in A Cytoplasmic Protein
10
11 (iii) NUMBER OF SEQUENCES: 39
12
13 (iv) CORRESPONDENCE ADDRESS:
14
15 (A) ADDRESSEE: Calgene, Inc.
16
17 (B) STREET: 1920 Fifth Street
18
19 (C) CITY: Davis
20
21 (D) STATE: CA
22
23 (E) COUNTRY: USA
24
25 (F) ZIP: 95616
26
27 (v) COMPUTER READABLE FORM:
28
29 (A) MEDIUM TYPE: Diskette, 3.50 inch, 2.0 MB
30
31 (B) COMPUTER: Apple Macintosh
32
33 (C) OPERATING SYSTEM: Macintosh 7.0
34
35 (D) SOFTWARE: Microsoft Word 5.1a
36
37 (vi) CURRENT APPLICATION DATA:
38
39 (A) APPLICATION NUMBER: 08/657,749
40
41 (B) FILING DATE: 30-MAY-96
42
43 (C) CLASSIFICATION:
44
45 (vi) PRIOR APPLICATION DATA:

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/657,749ADATE: 05/16/97
TIME: 16:02:39

INPUT SET: S17725.raw

46
47 (A) APPLICATION NUMBER: PCT/US94/13686
48
49 (B) FILING DATE: 30-NOV-94
50
51 (vii) PRIOR APPLICATION DATA:
52
53 (A) APPLICATION NUMBER: 08/265,047
54
55 (B) FILING DATE: 23-JUN-94
56
57 (C) CLASSIFICATION:
58
59 (vii) PRIOR APPLICATION DATA:
60
61 (A) APPLICATION NUMBER: 08/160,602
62
63 (B) FILING DATE: 30-NOV-93
64
65 (C) CLASSIFICATION:
66
67 (vii) PRIOR APPLICATION DATA:
68
69 (A) APPLICATION NUMBER: 08/066,299
70
71 (B) FILING DATE: 20-MAY-93
72
73 (vii) PRIOR APPLICATION DATA:
74
75 (A) APPLICATION NUMBER: PCT/US92/09863
76
77 (B) FILING DATE: 13-NOV-92
78
79 (vii) PRIOR APPLICATION DATA:
80
81 (A) APPLICATION NUMBER: 07/933,411
82
83 (B) FILING DATE: 21-AUG-92
84
85 (vii) PRIOR APPLICATION DATA:
86
87 (A) APPLICATION NUMBER: 07/796,256
88
89 (B) FILING DATE: 20-NOV-91
90
91 (viii) ATTORNEY/AGENT INFORMATION:
92
93 (A) NAME: Elizabeth Lassen
94
95 (B) REGISTRATION NUMBER: 31,845
96
97 (A) NAME: Donna E. Scherer
98

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/657,749ADATE: 05/16/97
TIME: 16:02:42

INPUT SET: S17725.raw

99 (B) REGISTRATION NUMBER: 34,719
100
101 (A) NAME: Carl J. Schwedler
102
103 (B) REGISTRATION NUMBER: 36,924
104
105 (C) REFERENCE/DOCKET NUMBER: CGNE 101-2 WO
106
107 (ix) TELECOMMUNICATION INFORMATION:
108
109 (A) TELEPHONE: (916) 753-6313
110
111 (B) TELEFAX: (916) 753-1510
112
113

ERRORED SEQUENCES FOLLOW:

2646 (2) INFORMATION FOR SEQ ID NO: 32:
2647
2648 (i) SEQUENCE CHARACTERISTICS:
2649
--> 2650 (A) LENGTH: 5 residues 6 shown
2651
2652 (B) TYPE: amino acids
2653
2654 (D) TOPOLOGY: linear
2655
2656 (ii) MOLECULE TYPE: peptide
2657
2658 (ix) FEATURE: Xaa at position 3 = Leu or Gly
2659
2660
2661 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 32 :
2662
2663 Lys Leu Xaa Tyr His Tyr
2664 1 5 5
2665
2666

Also, please
re-number all your
amino acid sequences.
Numbers under amino
acids are misaligned
(see below). DO NOT
use TAB codes between
amino acid numbers.
TAB codes do not
convert into ASCII well.
Use space character, instead.

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/657,749ADATE: 05/16/97
TIME: 16:02:45**INPUT SET: S17725.raw**

Line	Error	Original Text
2650	Entered (5) and Calc. Seq. Length (6) differ	(A) LENGTH: 5 residues